

IN THE CLAIMS:

Please amend claims 1, 7 and 8 as follows, and cancel claims 5, 6, 12, and 13 without prejudice or disclaimer.

1. (Currently Amended) A method, comprising:

filtering a signal with a bandpass filter;

measuring image rejection and DC offset rejection of the filtered signal; and

adjusting a center frequency of the bandpass filter,

wherein the filtering, measuring and adjusting is repeated until a compromise between DC offset rejection and image rejection is achieved, and

wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and image rejection meets minimum pre-specified requirements.

2. (Original) The method of claim 1, wherein the bandpass filter comprises two cross-coupled low pass filters.

3. (Original) The method of claim 2, wherein the cross-coupling includes cross-coupled variable resistors.

4. (Original) The method of claim 3, wherein the adjusting is done by varying the resistance of the cross-coupled variable resistors.

5. (Cancelled).

6. (Cancelled).

7. (Currently Amended) A system, comprising:

means for filtering a signal;

means for measuring image rejection and DC offset rejection of the filtered signal;

and

means for adjusting a center frequency of the means for filtering,

wherein the filtering, measuring and adjusting is repeated until a compromise

between DC offset rejection and image rejection is achieved, and

wherein the compromise is reached when the DC offset rejection is within

acceptable tolerances and image rejection meets minimum pre-specified requirements.

8. (Currently Amended) A system, comprising:

bandpass filter capable of filtering a received signal and capable of having a center frequency adjusted; and

at least one measurement circuit, communicatively coupled to the filter, capable of measuring image rejection and DC offset rejection of the filtered signal,

wherein the bandpass filter and at least one measurement circuit continue to filter, measure and adjust the center frequency until a compromise between DC offset rejection and image rejection is achieved, and

wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and image rejection meets minimum pre-specified requirements.

9. (Original) The system of claim 8, wherein the bandpass filter comprises two cross-coupled low pass filters.

10. (Original) The system of claim 9, wherein the cross-coupling includes cross-coupled variable resistors.

11. (Original) The system of claim 10, wherein the adjusting is done by varying the resistance of the cross-coupled variable resistors.

12. (Cancelled).

13. (Cancelled).